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TITLE: CODE TRANSMITTING METHOD

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ABSTRACT:

PURPOSE: To improve the transmission efficiency with low cost, by performing the transmission added with a redundancy bit in place of a parity bit for the transmission format at the transmission side and applying the code detection and error correction including the redundancy bit at the reception side.

CONSTITUTION: Code producing circuits 21, 31 produce the inverted data to the initial transmission data for the encoding, produce a redundancy code CRC for the initial data and the inverted data separately, add the initial data redundancy code CRC to the initial transmission data (21-bit) and add the inverted duplicate transmission data redundancy code CRC to the inverted data for the production of the transmission code. Code detection circuits 22, 32 at the reception side process the code detecting using the CRC, apply the error bit correction and perform the error detection processing as to the normal standardization and transmission format, and apply the duplicate collation check.

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